

ABSTRACT

The invention relates to a pressure welding method and a pressure welding machine (1) which is provided with a frame (10), two welding heads (13, 14), mobile along a feed axis (41), and two adjusting units (17, 18) comprising feed drives (23) for the welding heads (13, 14). The two
5 adjusting units (17, 18) are mounted so as to be axially movable (41) on the frame (10) and are interlinked with an adjusting drive (25) by means of a common adjusting element (26) and supported in a closed system of forces while receiving the pressure welding forces, thereby relieving the frame (10). The adjusting element (26) is configured as a continuous spindle (27) having two self-locking threads (28, 29) that run in opposite directions.